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2133

PATENT
Attorney Docket No. 09812.0200-00000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
)
Takashi Yokokawa et al.) Group Art Unit: 2133
)
Application No.: 10/521,054) Examiner: RIZK, Samir Wadie
)
Filed: January 12, 2005)
)
For: DECODING APPARATUS,) Confirmation No.: 6969
DECODING METHOD, AND)
PROGRAM)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(c)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(c), Applicants bring to the attention of the Examiner the documents on the attached listing. This Information Disclosure Statement is being filed after the events recited in Section 1.97(b) but, to the undersigned's knowledge, before the mailing date of either a Final action, Quayle action, or a Notice of Allowance. Under the provisions of 37 C.F.R. § 1.97(c), this Information Disclosure Statement is accompanied by a fee of \$180.00 as specified by Section 1.17(p).

Copies of the non-patent literature documents are attached. Applicants respectfully request that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached form.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the

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documents as prior art against any claims in the application and Applicants determine that the cited documents do not constitute "prior art" under United States law, Applicants reserves the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

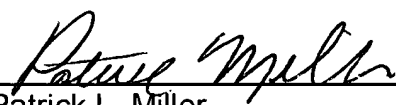
Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

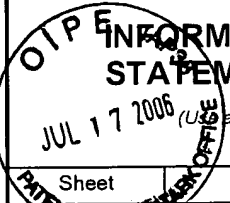
If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

Dated: July 17, 2006

By: 
Patrick L. Miller
Reg. No. 57,502

IDS Form PTO/SB/08: Substitute for form 1449A/PTO				Complete if Known	
 <p>Use as many sheets as necessary</p>				Application Number	10/521,054
				Filing Date	January 12, 2005
				First Named Inventor	Takashi Yokokawa
				Art Unit	2133
				Examiner Name	RIZK, Samir Wadie
Sheet	1	of	1	Attorney Docket Number	09812.0200-00000

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS					
Examiner Initials	Cite No. ¹	Document Number	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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FOREIGN PATENT DOCUMENTS						
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation
		Robert G. Gallager, <i>Low-Density Parity Check Codes</i> (M. I. T. Press 1963).	
		David J. C. MacKay, "Good Error-Correcting Codes Based on Very Sparse Matrices," <i>IEEE Transactions on Information Theory</i> , vol. 45, no. 2, pp. 399-431, March 1999.	
		Michael G. Luby, Michael Mitzenmacher, M. Amin Shokrollahi & Daniel A. Spielman, "Analysis of Low Density Codes and Improved Design Using Irregular Graphs," <i>Proceedings of ACM Symposium on Theory of Computing</i> , pp. 249-58 (1998).	
		C. Howland & A. Blanksby, "Parallel Decoding Architectures for Low Density Parity Check Codes," <i>Symposium on Circuits and Systems</i> , part IV, pp. 742-45 (2001).	
		Engling Yeo, Payam Pakzad, Borivoje Nikolic & Venkat Anantharam, "VLSI Architectures for Iterative Decoders in Magnetic Recording Channels," <i>IEEE Transactions on Magnetics</i> , vol. 37, no. 2, pp. 748-55, March 2001.	

Examiner Signature		Date Considered	
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PTO Notes regarding this form:

¹ Applicant's unique citation designation number (optional).

² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**